

Best
a sensor having a detecting part detecting at least one of a temperature and a vibration;
and

a ring secured to at least one of said inner ring and said outer ring, wherein said ring includes:

cont. Q1
said detecting part,

a transmitting part transmitting an output of said detecting part or a signal obtained by processing said output,

a control part controlling said transmitting part on the basis of said output of said detecting part, and

a power source for supplying power to said detecting part and said transmitting part.

48. (New) The rolling bearing according to claim 47, wherein:

said transmitting part transmits a constant signal at predetermined intervals; and

a receiving device, apart from said transmitting part, receives said constant signal for confirming that said sensor, said transmitting part, and said control part, operate normally.
